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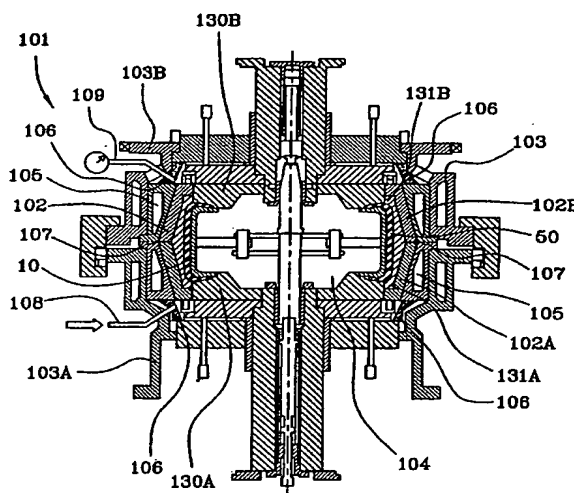
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(54) Title: METHOD AND APPARATUS FOR MOLDING AND CURING A TYRE FOR VEHICLE WHEELS



(57) Abstract: A method of molding and curing a tyre for vehicle wheels comprises the steps of: building a green tyre (50) on a toroidal support (10) having an outer surface substantially conforming in shape to the inner surface of said green tyre (50); heating said toroidal support (10) to transmit heat to the inner surface of the tyre in contact with said toroidal support (10); pressing said inner surface of said green tyre (50) against said outer surface of said toroidal support (10) by means of at least one secondary working fluid under pressure; pressing an outer surface of said green tyre (50) against the walls of a molding cavity (104) defined in a vulcanisation mold (102), by means of a primary working fluid under pressure passing in at least one diffusion gap between said outer surface of said toroidal support (10) and said inner surface of said green tyre (50); said primary working fluid under pressure being heated so as to supply heat to said green tyre (50) in order to cause vulcanisation of same.

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